

*A Discussion Group is a forum in which leaders and delegates participate together to share topical problems, solutions, and best practices. Suggested topics are suggestions only; actual topics discussed will be determined by each session's attendees.*

Session: Discussion Group 12  
Condition Monitoring Systems and Vibrations

Date: Tuesday, 17 February, 2015 1330 – 1500 hours

Leaders:

- Giancarlo Cikatelli (Flowserve)
- Mamdouh Al-Aidarous (Saudi Aramco)
- Isham Sudardjat (Qatar Petroleum)
- Sherief Mekawey (GE)
- Imran Babar (Emerson)

Topics:

- Monitoring thermodynamic performance and other critical variables
- Monitoring lube oil condition, sampling and online methods
- Routine observation duties of operator and mechanics for condition monitoring
- Experience with wireless technology in condition monitoring
- Shutdown/alarm philosophy
- Gearbox (low speed) condition monitoring
- Online steam quality monitoring
- Use of accelerometers in cryogenic service
- Using electrical signals for evaluating condition
- Effective parameters in detecting seal problems
- Experience measuring vibration on vertical suspending pumps
- Uses of thermography in condition monitoring
- Use of rotordynamics to assess and track machine conditions